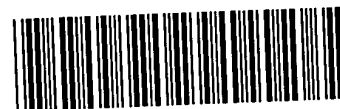


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pt#8 1600

TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/728,653DATE: 09/10/2002
TIME: 15:44:30Input Set : A:\PH7118.ST25.txt
Output Set: N:\CRF4\09102002\I728653.raw

3 <110> APPLICANT: Bristol-Myers Squibb Company
 4 Han, Amy Qi
 5 Glunz, Peter W.
 7 <120> TITLE OF INVENTION: Alpha-Ketoamide Inhibitors of Hepatitis C Virus NS3 Protease
 9 <130> FILE REFERENCE: PH-7118
 11 <140> CURRENT APPLICATION NUMBER: US 09/728,653
 12 <141> CURRENT FILING DATE: 2000-12-01
 14 <150> PRIOR APPLICATION NUMBER: US 60/168,998
 15 <151> PRIOR FILING DATE: 1999-12-03
 17 <160> NUMBER OF SEQ ID NOS: 11
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 5
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
 pept
 28 ide synthesizer using readily available materials well known to o
 29 rdinarily skilled artisans
 31 <400> SEQUENCE: 1
 33 Met Gly Ala Gln His
 34 1 5
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 15
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
 pept
 44 ide synthesizer using readily available materials well known to o
 45 rdinarily skilled artisans
 47 <400> SEQUENCE: 2
 49 Met Arg Gly Ser His His His His His Met Gly Ala Gln His
 50 1 5 10 15
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 9
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Peptide ester substrate synthesized by methods disclosed in
 Talia
 60 ni et al., Anal. Biochem., 240, 60-67, 1996.
 62 <220> FEATURE:

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63 <221> NAME/KEY: ACETYLTATION
64 <222> LOCATION: (1)..(1)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/728,653

DATE: 09/10/2002
TIME: 15:44:30

Input Set : A:\PH7118.ST25.txt
Output Set: N:\CRF4\09102002\I728653.raw

65 <223> OTHER INFORMATION: acetyl group
68 <220> FEATURE:
69 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (3)..(3)
71 <223> OTHER INFORMATION: Aspartic acid modified with EDANS, 5-[(2'-aminoethyl)amino]
naphth
72 ylene sulfonic acid
75 <220> FEATURE:
76 <221> NAME/KEY: MISC_FEATURE
77 <222> LOCATION: (6)..(6)
78 <223> OTHER INFORMATION: 2-amino butyric acid bonded through an ester group
81 <220> FEATURE:
82 <221> NAME/KEY: MOD_RES
83 <222> LOCATION: (9)..(9)
84 <223> OTHER INFORMATION: Lysine modified by DabcyL; 4-[[4'(dimethylamino)phenyl]azo]
benzoi
85 c acid
88 <400> SEQUENCE: 3
W--> 90 Asp Glu Asp Glu Xaa Ala Ser Lys
91 1 5
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 4
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
101 ide synthesizer using readily available materials well known to o
102 rdinarily skilled artisans
104 <220> FEATURE:
105 <221> NAME/KEY: ACETYLATION
106 <222> LOCATION: (1)..(1)
107 <223> OTHER INFORMATION: Acetylation
110 <220> FEATURE:
111 <221> NAME/KEY: AMIDATION
112 <222> LOCATION: (4)..(4)
113 <223> OTHER INFORMATION: para-nitroaniline
116 <400> SEQUENCE: 4
118 Glu Glu Ala Cys
119 1
122 <210> SEQ ID NO: 5
123 <211> LENGTH: 6
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.
130 <220> FEATURE:
131 <221> NAME/KEY: MISC_FEATURE
132 <222> LOCATION: (6)..(6)
133 <223> OTHER INFORMATION: Boro-allylglycine
136 <400> SEQUENCE: 5
W--> 138 Asp Glu Val Val Pro Xaa

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/728,653

DATE: 09/10/2002
TIME: 15:44:30

Input Set : A:\PH7118.ST25.txt
Output Set: N:\CRF4\09102002\I728653.raw

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139 1          5
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 23
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
149         ide synthesizer using readily available materials well known to o
150         rdinarily skilled artisans
152 <400> SEQUENCE: 6
154 Lys Lys Gly Ser Val Val Ile Val Gly Arg Ile Val Leu Ser Gly Lys
155 1          5          10          15
158 Pro Ala Ile Ile Pro Lys Lys
159         20
162 <210> SEQ ID NO: 7
163 <211> LENGTH: 6
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.
170 <220> FEATURE:
171 <221> NAME/KEY: MISC_FEATURE
172 <222> LOCATION: (6)..(6)
173 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester
176 <400> SEQUENCE: 7
W--> 178 Asp Glu Val Val Pro Xaa
179 1          5
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 5
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.
190 <220> FEATURE:
191 <221> NAME/KEY: MOD_RES
192 <222> LOCATION: (1)..(1)
193 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl
194         Delta-Carboxy Ester: t-Butyl
197 <220> FEATURE:
198 <221> NAME/KEY: MOD_RES
199 <222> LOCATION: (2)..(2)
200 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl
203 <400> SEQUENCE: 8
205 Asp Glu Val Val Pro
206 1          5
209 <210> SEQ ID NO: 9
210 <211> LENGTH: 4
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/728,653

DATE: 09/10/2002
TIME: 15:44:30

Input Set : A:\PH7118.ST25.txt
Output Set: N:\CRF4\09102002\I728653.raw

214 <220> FEATURE:
215 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.

217 <220> FEATURE:
218 <221> NAME/KEY: MOD_RES
219 <222> LOCATION: (1)..(1)
220 <223> OTHER INFORMATION: N-terminal Protecting Group: benzyloxycarbonyl
221 Gamma-Carboxy Ester: t-Butyl
224 <220> FEATURE:
225 <221> NAME/KEY: MOD_RES
226 <222> LOCATION: (4)..(4)
227 <223> OTHER INFORMATION: Benzyl Esterfication
230 <400> SEQUENCE: 9
232 Glu Val Val Pro

233 1

236 <210> SEQ ID NO: 10

237 <211> LENGTH: 4

238 <212> TYPE: PRT

239 <213> ORGANISM: Artificial Sequence

241 <220> FEATURE:

242 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.

244 <220> FEATURE:
245 <221> NAME/KEY: MOD_RES
246 <222> LOCATION: (1)..(1)
247 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl
250 <400> SEQUENCE: 10
252 Glu Val Val Pro

253 1

256 <210> SEQ ID NO: 11

257 <211> LENGTH: 6

258 <212> TYPE: PRT

259 <213> ORGANISM: Artificial Sequence

261 <220> FEATURE:

262 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
methods.

264 <220> FEATURE:
265 <221> NAME/KEY: MOD_RES
266 <222> LOCATION: (1)..(1)
267 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl
268 Delta-Carboxy Ester: t-Butyl

271 <220> FEATURE:

272 <221> NAME/KEY: MOD_RES

273 <222> LOCATION: (2)..(2)

274 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl

277 <220> FEATURE:

278 <221> NAME/KEY: MISC_FEATURE

279 <222> LOCATION: (6)..(6)

280 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester

283 <400> SEQUENCE: 11

W--> 285 Asp Glu Val Val Pro Xaa

286 1

5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/728,653

DATE: 09/10/2002
TIME: 15:44:31

Input Set : A:\PH7118.ST25.txt
Output Set: N:\CRF4\09102002\I728653.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 6
Seq#:5; Xaa Pos. 6
Seq#:7; Xaa Pos. 6
Seq#:11; Xaa Pos. 6

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/728,653

DATE: 09/10/2002
TIME: 15:44:31

Input Set : A:\PH7118.ST25.txt
Output Set: N:\CRF4\09102002\I728653.raw

L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0